

# List of Plants



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\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
<i>Aloysia citrodora</i>	Plant	120.0	840.0	0.01	*
<i>Apium graveolens</i>	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Apium graveolens</i>	Shoot	--	--		*
<i>Camellia sinensis</i>	Leaf	--	--		*
<i>Cinnamomum camphora</i>	Leaf	--	5.0	-0.39	*
<i>Citrullus lanatus</i>	Fruit Juice	--	--		*
<i>Citrus paradisi</i>	Fruit	--	210.0	0.21	*
<i>Citrus limon</i>	Petiole	--	60.0		*
<i>Citrus limon</i>	Essential Oil	27.0	130.0	1.0	*
<i>Citrus limon</i>	Pericarp Essent. Oil	--	--		Jim Duke's personal files.
<i>Citrus aurantiifolia</i>	Fruit	40.0	460.0	1.55	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Citrus sinensis</i>	Fruit	4.0	5.0	-0.88	*
<i>Citrus limon</i>	Leaf Essent. Oil	4000.0	172700.0	1.0	Jim Duke's personal files.
<i>Citrus reticulata</i>	Fruit	3.0	4.0	-0.88	*
<i>Citrus aurantium</i>	Leaf	--	1.0	-0.39	*
<i>Citrus aurantium</i>	Plant	--	--		*
<i>Cymbopogon winterianus</i>	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Cymbopogon parkeri</i>	Plant	42.0	583.0	-0.23	Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
<i>Cymbopogon citratus</i>	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Elsholtzia eriostachya</i>	Shoot	--	390.0	0.67	Pant, A.K., Dev, V., Parihar, R., Mathela,C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from Elsholtzia eriostachya var. pusilla. <i>J. Ess. Oil Res.</i> 4: 547-549.
<i>Elsholtzia blanda</i>	Shoot	--	3.0	-0.57	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Perihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtsia blanda Benth. (Labiatae). <i>J. Ess. Oils Res.</i> 4: 121-124
<i>Elsholtzia polystachya</i>	Leaf	--	4.0	-0.39	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
<i>Elsholtzia polystachya</i>	Leaf	--	4.0	-0.39	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
<i>Hedeoma drummondii</i>	Plant	36.0	2690.0	1.71	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

perforatum					
Laurus nobilis	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula angustifolia	Flower	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lippia alba	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Melissa officinalis	Shoot	10.0	1100.0	2.93	*
Mentha x piperita	Leaf	0.001	0.01	-0.39	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Micromeria varia	Shoot	--	190.0	0.03	Pedro, L.G., et al. 1995. Composition of the Essential oil of Micromeria varia Benth. ssp. thymoides (Sol. ex Lowe) Perez var. thymoides, and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
Micromeria varia	Shoot	--	190.0	0.03	*
Monarda fistulosa	Plant	24.0	589.0	-0.22	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda russeliana	Plant	--	54.0	-0.72	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda punctata	Plant	--	--		List, P.H. and Horhammer, L. <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Myrtus communis	Shoot	1.0	2.0	-0.57	*
Ocimum gratissimum	Flower	466.0	695.0	1.0	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. <i>J. Ess. Oil Res.</i> 4: 231-234.
Ocimum basilicum	Plant	--	5.0	-0.76	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. <i>Die Nahrung</i> 37(5): 501-504.
Ocimum tenuiflorum	Plant	350.0	3150.0	2.14	*
Ocimum basilicum	Leaf Essent. Oil	--	1000.0	-1.0	*
Ocimum basilicum	Shoot Essent. Oil	--	2000.0		*
Ocimum gratissimum	Leaf	150.0	210.0	-0.33	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of Ocimum gratissimum L. <i>J. Ess. Oil Res.</i> 4: 231-234.
Pelargonium graveolens	Essential Oil	2.0	12.0	-1.0	*
Pelargonium roseum	Shoot	--	18.0	-0.52	*
Petroselinum crispum	Leaf	--	2.9	-0.39	*
Pimenta racemosa	Leaf	--	11080.0	2.65	*
Rosa damascena	Essential Oil	--	--		*
Salvia sclarea	Plant	0.4	340.0	-0.45	Flavour and Fragrance Journal, 6: 154.
Telosma cordata	Flower	--	71.0	-1.0	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of Telosma cordata Merrill flowers, <i>Flavour Fragr. J.</i> , Vol 8, 221-223.
Thymus longicaulis	Shoot	--	42.0	-0.44	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
Thymus capitatus	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus x citriodorus	Plant	--	55.0	-0.72	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. &amp; Fragr. J.</i> 10: 225-229.
Thymus longicaulis	Shoot	--	42.0	-0.44	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
Thymus funkii	Shoot	--	--		Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.
Thymus longicaulis	Shoot	--	--	-0.57	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
Thymus funkii	Shoot	--	5.0	-0.56	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.
Zingiber	Rhizome	810000.0	2600000.0		*

	Oil				
Zingiber officinale	Rhizome	--	410.0	*	